

Newly amended claims 1 and 17.

1. A cable assembly comprising: a first connector comprising a first insulating housing and a plurality of first and second contacts retained to the first housing, each of the first and the second contacts comprising an engaging portion received in the first housing and an opposite connecting portion; a cable comprising a plurality of conductors connecting portions of the first contacts; and electrically connecting with the a second connector comprising a second housing back to back assembled to the first insulating housing and a plurality of third contacts electrically connecting with the connecting portions of the second contacts

;wherein the first housing defines a first and a second mating ports respectively receiving the first and the second contacts; wherein the first housing includes, along a lengthwise direction thereof, an elongated base with the first and the second mating ports integrally extending from one side thereof, and with the cable and the second connector attached to the other side thereof, along the lengthwise direction; wherein the base defines a cavity communicating with the second mating port, and the second housing defines a recess aligned with and communicating with the cavity, the second and the third contacts partially extending into the recess and the cavity, respectively; wherein the base defines a plurality of holes and slots at upper and lower sides of the cavity, and the second housing is formed with a plurality of posts and latches received in the holes and the slots, respectively; the cable assembly further comprising a cover overmolded with the cable and the base.

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17. An electrical connector assembly comprising:

a first connector including a first insulative housing extending along a longitudinal direction, said first housing defining juxtaposed first and second mating ports on a front face; a plurality of first contacts disposed in the first housing, said first contacts being divided into first and second groups corresponding to said first and second mating ports, each of said first contacts defining a front engaging portion disposed in the corresponding mating port; a cable permanently associated with the first housing and extending in a front-to-back direction perpendicular to said longitudinal direction, and including a plurality of conductors electrically and mechanically connected to the first contacts of the first group; and a second connector including a second insulative housing extending along said longitudinal direction while being discrete from and shorter than the first housing in said longitudinal direction, said second housing attached to a rear face of the first housing, and defining a third mating port exposed to an exterior rearwardly relative to the first housing, wherein said third mating port is essentially aligned with the second mating port in the front-to-back direction for allowing a complementary connector, which is mateable with the third mating port, to be electrically connected to said first contacts of said second group

; wherein said first mating port is shorter than the second mating port, and said first mating port transmits powers and said second mating port transmits signals.

What is claimed is:

1. A cable assembly comprising:

9/18/04
a first connector comprising a first insulating housing and a plurality of first and second contacts retained to the first housing, each of the first and the second contacts comprising an engaging portion received in the first housing and an opposite connecting portion;

a cable comprising a plurality of conductors electrically connecting with the connecting portions of the first contacts; and

a second connector comprising a second housing back to back assembled to the first insulating housing and a plurality of third contacts electrically connecting with the connecting portions of the second contacts.

2. The cable assembly as claimed in claim 1, wherein the first contacts include signal and ground contacts, and the second and the third contacts are power contacts.

3. The cable assembly as claimed in claim 2, wherein the conductors of the cable include signal and ground conductors respectively connecting with the signal and the ground contacts.

4. The cable assembly as claimed in claim 3, wherein one of the ground contacts electrically connect with a pair of ground conductors.

5. The cable assembly as claimed in claim 1, wherein the second contacts electrically connect with the third contacts in a one on one relationship.

6. The cable assembly as claimed in claim 5, wherein each third contact

comprises a mating portion resiliently abutting against the connecting portion of a corresponding second contact.

7. The cable assembly as claimed in claim 1, wherein the first housing defines a first and a second mating ports respectively receiving the first and the second contacts.

8. The cable assembly as claimed in claim 7, wherein the first housing includes, along a lengthwise direction thereof, an elongated base with the first and the second mating ports integrally extending from one side thereof, and with the cable and the second connector attached to the other side thereof, along the lengthwise direction.

9. The cable assembly as claimed in claim 8, wherein the base defines a cavity communicating with the second mating port, and the second housing defines a recess aligned with and communicating with the cavity, the second and the third contacts partially extending into the recess and the cavity, respectively.

10. The cable assembly as claimed in claim 9, wherein the base defines a plurality of holes and slots at upper and lower sides of the cavity, and the second housing is formed with a plurality of posts and latches received in the holes and the slots, respectively.

11. The cable assembly as claimed in claim 8, further comprising a cover overmolded with the cable and the base.

12. The cable assembly as claimed in claim 1, wherein the second connector

is configured with a Serial Advance Technology Attachment (Serial ATA) interface and includes a body, a mating tongue extending from a middle portion of the body for mating with a complementary connector, and a plate extending from the body and parallel to the mating tongue for latching with the complementary connector.

13. An electrical assembly comprising:

a panel defining a cutout and a pair of through holes at opposite sides of the cutout;

a cable assembly comprising:

a first connector located at a first side of the panel through the cutout, the first connector comprising a first insulating housing and a plurality of first and second contacts retained to the first housing, the first housing defining a pair of mounting holes corresponding to the through holes of the panel, each mounting hole comprising a front recess, a rear recess and a rounded hole located between the front and the rear recesses; and

a cable and a second connector both located at a second opposite side of the panel, the cable comprising a plurality of conductors electrically connecting with the first contacts, the second connector comprising a second housing back to back assembled to the first housing and a plurality of third contacts electrically connecting with the second contacts; and

a pair of fastening devices each comprising a washer received in the front recess of a corresponding mounting hole, a rivet defining a screw hole and a bolt, the rivet including a plate received in the rear recess, a cylindrical post received in the rounded hole and an annular portion extending through the washer to be received in the front recess, the bolt extending into the screw hole of the rivet through the through hole of the panel and including a screw post engaging with the screw hole and a head abutting against the panel.

14. The electrical assembly as claimed in claim 13, wherein the bolt includes a middle portion located between the head and the screw post and abutting against the plate of the rivet.

15. An electrical connector assembly comprising:

a first connector including a first insulative housing extending along a longitudinal direction,

said first housing defining juxtaposed first and second mating ports on a front face;

a plurality of first contacts disposed in the first housing, said first contacts being divided into first and second groups corresponding to said first and second mating ports, each of said first contacts defining a front engaging portion disposed in the corresponding mating port;

a cable permanently associated with the first housing and extending in a front-to-back direction perpendicular to said longitudinal direction, and including a plurality of conductors electrically and mechanically connected to the first contacts of the first group; and

a second connector including a second insulative housing extending along said longitudinal direction while being discrete from and shorter than the first housing in said longitudinal direction,

said second housing attached to a rear face of the first housing, and defining a third mating port exposed to an exterior rearwardly relative to the first housing; wherein

said third mating port is essentially aligned with the second mating port in the front-to-back direction for allowing a complementary connector, which is mateable with the third mating port, to be electrically connected to said first contacts of said second group.

16. The connector assembly as claimed in claim 15, wherein the second connector includes a plurality of second contacts mechanically and electrically engaged with the corresponding first contacts, respectively, for electrically connecting the complementary connector to the first contacts of said second group.

17. The connector assembly as claimed in claim 15, wherein said first mating port is shorter than the second mating port, and said first mating port transmits powers and said second mating port transmits signals.